

Fig. 1A

1 AGCATCTGA GTAATAGTG GCCTGGGCGG GAGCAGGCGA GGTGGCCGGA GCCGTGTGGA CCAGGAGGAG CGCTTTCCAC AGGGCTGTG GACGGGGGTG  
 TCGTAGGACT CATTAATCTAC CGGACCCCGC CTCGTCGGCT CCACGGGCGT CGGCACACCT GGTCCTCTC GCGAAGGTG TCCCGGACAC CTGCCCCAC  
 1 M S G L G R S R R G G R S R V D Q E E R F P Q G L W T G V

101 GCTATGAGAT CCGTCCCGA AGAGCAGTAC TGGGATCTC TGTGGGTAC CTGATGTCC TGCAAAACCA TTGCAACCA TCAGAGCCAG CGACCTGTG  
 CGATACTCTA GGACGGGCT TCTCGTCATG ACCCTAGAG ACCACCCATG GAGCTACAG ACCTTTTGT AAGCTTGGT AGTCTCGTC GCGTGGACAC  
 30 A M R S C P E Q Y W D P L L G T C M S C K T I C N H Q S Q R T C A

201 CAGCCTTCTG CAGGTCACTC AGTGGCGA AGGAGCAGG CRAHTTCTAT GACCATCTCC TGAGGGACTG CATCAGCTGT GCCTCCATCT GTGCACAGCA  
 GTCGGAGAC GTCCAGTGAG TCGACGGCGT TCCTCGTTCC GTTCAAGATA CTGGTAGAG ACTCCCTGAC GTAGTCGACA CGGAGGTAGA CACCTGTCTG  
 64 A F C R S L S C R K E Q G K F Y D H L L R D C I S C A S I C G Q H

301 CCCTAAGCAA TGTGCATCT TCTGTAGAA CAAGCTCAGG AGCCCACTGA ACCTTCACG AGAGCTCAGG AGACAGCGGA GTGGAGAGT TGAACAACAT  
 GGGATTCTGT ACACGTATGA AGACACTCTT GTTCGAGTCC TCGGGTCACT TGAAGGTGG TCTCGAGTCC TCTGTCCCT CACCTCTTCA ACTTTTGTTA  
 97 P K Q C A Y F C E N K L R S P V N L P P E L R R Q R S G E V E N N

401 TCACACAAC CCGGAGGTA CCAAGGATTG GAGCAGAG GCTCAGAGC AGTCCAGCT CTCGCGGGG TGAAGTGTAG TGCAGATCAG GTGGCCCTGG  
 AGTCTGTGA GCCCTTCCAT GGTTCCTAAC CTCGTGTCTC CGAGTCTTCG TTCAGGTGGA GAGGGCCCG ACTTCGACTC ACGTCTAGTC CACCGGACCC  
 130 S D N S G R Y Q G L E H R G S E A S P A L P G L K L S A D Q V A L V

501 TCTACAGCAC GTGGGGGCTC TGCTGTGTG CCGTCTCTCTG CTGCTTCTCTG GTGGGGGTGG CCTGCTTCTT CAAGAAGAGG GGGGATCCCT GCTCCTGCCA  
 AGATGTCTGT CGACCCCGAG ACGACACAC GGCAGGAGAC GACGAAGGAC CACCGCCACC GGACGAAGGA GTTCTTCTCC CCCCTAGGGA CGAGGACGGT  
 164 Y S T L G L C L C A V L C C F L V A V A C F L K K R G D P C S C Q

601 GCCCCGCTCA AGGCCCGCTC AAGTCCGCG CRAHTCTTCC CAGGATCAG CGATGGAAGC CGGACGCGCT GTGAGCACAT CCCCCGAGCC AGTGAGAGC  
 CGGGGCGAGT TCGGGGCGG TTTGAGGCG GTTCAGAGG GTCTAGTGC GTACCTTCTG GCGTCGGA CACTCGTGA GGGGGCTCG TCACCTCTGG  
 197 P R S R P R Q S P A K S S Q D H A M E A G S P V S T S P E P V E T

701 TGCAGCTTCT GCTTCCCTGA GTGAGGGCG CCCACGAGG AGAGCGCAGT CACGCTGGG ACCCCCGACC CCACTTGTGC TGAAGGTGG GGTGCCACA  
 ACGTCAAGA CGAAGGACT CAGTCCCGC GGTGGCTGC TCTGCTCA GTGCGGACCC TGGGGCTGG GTGAACACG ACCTTCCACC CCCACGGTGT  
 230 C S F C F P E C R A P T Q E S A V T P G T P D P T C A G R W G C H T

801 CCAGGACCA AGTCTGTCAG CTTGCCAC ACATCCAGA CAGTGGCTT GGCATTGTGT GTGTGCTGC CCAGGAGGG GCGCCAGGTG CATAAATGGG  
 GGTCTGTG TCAGGACGTC GGAAGGGGTG TGTAGGTCT GTACCGGAA CCGTACACA CACACGAGG GGTCTCCCC CCGGTCCAC GTATTACCC  
 264 R T T V L Q P C P H I P D S G L G I V C V P A Q E G G P G A O

# Genetic

901 GGTGAGGGAG GGAAGGAGG AGGAGAGAG ATGAGAGAG GGGAGAGGG AAAGAGAGT GGGAGAGGG GAGAGAGATA TGAGGAGAGA GAGACAGAGG  
 CCAATCCCTC CATTTCCTCC TCCCTCTCTC TACCTCTCTC CCCCCTCTCC TTCTCTCTCA CCCCCTCTCC CTCTCTCTAT ACTCCTCTCT CTCTGTCTCC

1001 AGGAGAGAG GAGAGAGAG AGAGAGAGAG GAGAGAGAG GAGAGAGAG GAGAGAGGG AAGAGAGGCA GAGAGGGAAA GAGGAGAGAGA  
 TCCGTCTTTC CCTCTCTTTG TCTCTCTTGT CTCTCCCTCT CTCTCTCTCT CCCCCTCTCT CTGTCTCTCC TTCTCTCCGT CTCTCCCTTT CTCCGTCTCT

1101 AGGAGAGAG CAGGAGAGAG AGGAGAGAG CAGAGAGAG GAGAGAGAG GAGAGAGAG GGCAGAGAGA CAGAGAGGGA GAGAGGGACA GAGAGAGATA  
 TCCCTTCTCT GTCCGTCTCT TCCCTCTCTC GTCTCTCCCT CTCTCCGTCT CTCCCTCTCT CCGTCTCTCT GTCTCTCCCT CTCTCCCTGT CTCTCTCTAT

1201 GAGCAGAGG TCGGGGCACT CTGAGTCCCA GTTCCAGTG CAGCTGTAGG TCGTATCAC CTACACACAC GTGCAATAAA GTCCTCGTGC CTGCTGCTCA  
 CTGCTCCTCC AGCCCCGTGA GACTCAGGT CAAGGTCAC GTCACATCC AGCACTAGTG GATTGCTGTG CACGTATTTT CAGGAGCAGG GACGAGGAGT

1301 CAGCCCCCGA GAGCCCCCTC TCCGTGGAGAA TAAACCTTT GGCAGCTGCC CTTCCTCAA AAAAAGAAA AAAAAGAAA  
 GTCGGGGGCT CTCGGGGAGG AGGACCTCTT ATTTTGGAAA CCGTCGACGG GAAGGAGTTT TTTTCTTTT TTTTCTTTT

Fig. 1B

## Fig. 2

1 AAGACTCAAA CTTAGAACT TGAATTAGAT GTGTATTTC AATCCTTACG TGCCGCGAAG ACACAGACAG CCCCCTAAG AACCCACGAA GCAGGCGAAG  
TTCTGAGTTT GAATCTTTGA ACTTAATCTA CACATAAGT TTAGGAATGC ACGGGCTTC TGTGTCTGTC GGGGGCATTC TTGGGTGCTT CGTCCGCTTC

101 TTCAATTGTT TCAACATTCT AGCTGCTCTT GCTGCATTGG CTCTGGAATT CTGTAGAGA TATTACTTGT CCTTCCAGGC TGTTCTTTCT GTAGCTCCCT  
AAGTAACAAG AGTTGTAAGA TCGACGAGAA CGACGTAAAC GAGACCTTAA GAACATCTCT ATAATGAACA GGAAGTCCG ACAAGAAAGA CATCGAGGGA

201 TGTCTTCTTT TTGTGATCAT GTTGCAGATG GTGGGCGAGT GCTCCAAAA TGAATATTTT GACAGTTTGT TGCATGCTTG CATACCTTGT CAACCTTCGAT  
ACAAAAGAAA AACACTAGTA CAACGTCTAC CGACCCGTCA CGAGGGTTTT ACTTATAAAA CTGTCAAACA ACGTACGAAC GTATGGAACA GTTGAAGCTA  
1 Me tLeuGlnMet AlaGlyGlnC ysSerGlnAs nGluTyrPhe AspSerLeuL euHisAlaCy sileProCys GlnLeuArgC

301 GTTCTTCTAA TACTCTCTCT CTAACATGTC ACGTTTATTG TAATGCAAGT GTGACCAATT CAGTGAAGG AACGAATGCG ATTCTCTGGA CCTGTTTGGG  
CAAGAGATT ATGAGGAGGA GATTGTACAG TCGCAATAAC ATTACGTTCA CACTGGTTAA GTCACCTTCC TTGCTTACGC TAAGAGACCT GGACAAACCC  
29 ysSerSerAs nThrProPro LeuThrCysG lnaArgTyrCy sAsnAlaSer ValThrAsnS erValLysG1 yThrAsnAla IleLeuTrpT hrCysLeuG1

401 ACTGAGCTTA ATAATTCTT TGGCAGTTTT CGTGCTAATG TTTTTCGTAA GGAAGATAAG CTCTGAACCA TTAAGGAGCG AGTTTAAAAA CACAGGATCA  
TGACTCGAAT TATTAAAGAA ACCGTCAAAA GCACGATTAC AAAACGATT CCTTCTATT CAGACTTGGT AATTCTCTGC TCAAAATTTT GTGTCCTAGT  
62 yLeuSerLeu IleIleSerL euAlaValPh eValLeuMet PheLeuLeuA rgLysIleSe rSerGluPro LeuLysAspG luPheLysAs nThrGlySer

501 GGTCTCCTGG GCATGGCTAA CATTGACCTG GAAAGAGCA GGACTGGTGA TGAATATTAT CTTCCGAGAG GCCTCGAGTA CACGGTGGAA GAATGCACCT  
CCAGAGGACC CGTACCGATT GTAACCTGAC CTTTCTCGT CCTGACCACT ACTTTAATAA GAAGGCTCTC CGAGACTCAT GTGCCACCTT CTTACGTGGA  
95 GlyLeuLeuG lyMetAlaAs nIleAspLeu GluLysSerA rgThrGlyAs pGluIleIle LeuProArgG lyLeuGluTy rThrValGlu GluCysThrC

601 GTGAAGACTG CATCAAGAGC AAACCGAAGG TCGACTCTGA CCATTGCTTT CCACTCCAG CTATGGAGGA AGGCGCAACC ATTCTTGTC A CCACGAAAC  
CACTTCTGAC GTAGTTCTCG TTTGGCTTCC AGCTGAGACT GGTAAACGAAA GGTGAGGTC GATACCTCCT TCCGCGTTGG TAAGAACAGT GGTGCTTTTG  
129 ysGluAspCy sileLysSer LysProLysV alAspSerAs pHisCysPhe ProLeuProA laMetGluG1 uGlyAlaThr IleLeuValT hrThrLysTh

701 GAATGACTAT TGCAAGAGCC TGCCAGCTGC TTTGAGTGTG ACGGAGATAG AGAATCAAT TTCTGCTAGG TAATTAACCA TTTCGACTCG AGCAGTGCCA  
CTTACTGATA ACGTTCTCGG ACGGTCGACG AAACCTCACG TGCCTCTATC TCTTTAGTTA AAGACGATCC ATTAATTGGT AAAGCTGAGC TCGTCACGGT  
162 rAsnAspTyr CysLysSerL euProAlaAl aLeuSerAla ThrGluIleG lylLysSerIl eSerAlaArg OC\*

801 CTTTAAAAAT CTTTGTGTCAG AATAGATGAT GTGTCAGATC TCTTTAGGAT GACTGTATTT TTCAGTTGCC GATACAGCTT TTGTCTCTCT AACTGTGGAA  
GAAATTTTGA GAAACAGTC TTATCTACTA CACAGTCTAG AGAAATCCTA CTGACATAAA AAGTCAACGG CTATGTCGAA AACACAGGAGA TTGACACCTT

901 ACTCTTTTATG TTAGATATAT TTCTCTAGGT TACTGTTGGG AGCTTAATGG TAGAACTTC CTTGGTTTCA TGATTAAAGT CTTTTTTTTT CCTGA  
TGAGAAATAC AATCTATATA AAGAGATCCA ATGACAACCC TCGAATTACC ATCTTTGAAG GAACCAAACT ACTAATTTCA GAAAAAATAA GGACT

Fig. 3

1 ATGATGACT CCACAGAAAG GGAGCAGTCA CGCCTTACTT CTTCGCTTAA GAAAGAGAA GAAATGAAC TGAAGGAGTG TGTITCCATC CTCCACGGA  
TACCTACTGA GGTGTCTTTC CCTCGTCAGT GCGGAATGAA GAACGAATT CTITCTCTTT ACTTCCTCAC ACAAGGTAG GAGGTGCCT  
1 M D D S T E R E Q S R L T S C L K K R E E M K L K E C V S I L P R K

101 AGAAAGCCC CTCTGTCCGA TCCTCCAAAG ACAGAAAGCT GCTGGCTGCA ACCTTGCTGC TGGCACTGCT GTCTTGCTGC CTCACGGTGG TGTCTTCTA  
TCCTTTCCGG GAGACAGGCT AGGAGGTTTC TGCTTTTCCA CGACCGAGCT TGAACGAGC ACCTTGACA CAGAAGCAGC GAGTGCCACC ACAGAAAGAT  
35 E S P S V R S S K D G K L L A A T L L L A L L S C C L T V V S F Y

201 CCAGGTGGC GGCCTGCAAG GGGACCTGGC CAGCCTCCGG GAGAGCTGC AGGGCCACCA CCGGAGAGAG CTGCCAGGAG GAGCAGGAGC CCCAAGGCC  
GGTCCACCG GGGACGTTT CCTGGACCG GTCGGAGGCC CGTCTCAGC TCCCGGTGGT GCGCCTCTTC GACGGTCTC CTCGCTCTCG GGGGTTCGGG  
68 Q V A A L Q G D L A S L R A E L Q G H H A E K L P A G A G A P K A

301 GGCTTGAGG AAGTCCAGC TGTACCGCG GGACTGAAA TCTTTGAACC ACCAGTCCA GGAGAGGCA ACTCCAGTCA GAACAGCAGA AATAAGCGTG  
CCGAACTCC TTCGAGGTG ACAGTGGCG CCTGACTTTT AGAACTTGG TGGTCCAGGT CCTCTCCGT TGAGGTGAGT CTGTGCTCT TATTCGCAC  
101 G L E E A P A V T A G L K I F E P P A P G E G N S S Q N S R N K R A

401 CCGTTCAGG TCCAGAAGAA ACAGTCACTC AAGACTGCTT GCACTGATT GCAGACAGTG AAACACCAAC TATACAAAA GGATCTTACA CATTGTCTC  
GGCAAGTCCC AGGTCTTCTT TGTAGTGAG TTCTGACGAA CGTTCAGTAA CGTCTGTAC TTTGTGGTG ATATCTTTT CCTAGAATGT GTAAACAAG  
135 V Q G P E E T V T Q D C L Q L I A D S E T P T I Q K G S Y T F V P

501 ATGGCTTCTC AGCTTTAAA GGGGAAGTGC CCTAGAAGAA AAAGAGATA AATATTGGT CAAGAAACT GGTACTTTT TTATATATGG TCAGTTTTA  
TACCGAAGAG TCGAAATTTT CCCCTTCAG GATCTTCTT TTTCTCTTAT TTTATAACCA GTTCTTTGA CCAATGAAAA AATATATACC AGTCCAAAA  
168 W L L S F K R G S A L E E K E N K I L V K E T G Y F F I Y G Q V L

601 TATAGTATA AGACCTACGC CATGGACAT CTAATTCAGA GGAAGAAGT CCATGTCTTT GGGATGAAT TGAGTCTGGT GACTTTGTTT CGATGTATTC  
ATATGACTAT TCTGGATCG GTACCTGTGA GATTAAGTCT CCTTCTTCCA GTTACAGAAA CCCCTACTTA ACTCAGACCA CTGAACAAAA GCTACATAG  
201 Y T D K T Y A M G H L I Q R K K V H V F G D E L S L V T L F R C I Q

701 AAATATGCC TGAACACTA CCCATAATT CCTGTATTTC AGCTGGCATT GCAAACTGG AAGAAGGAGA TGAACCTCAA CTTCGAATAC CAAGAGAAA  
TTTTATACG ACTTTGTGAT GGGTTATTA GGACGATAAG TCGACCGTAA CGTTTGACC TTCTCTCTCT ACTTGAGTT GAACGTTATG GTTCTCTTT  
235 N M P E T L P N N S C Y S A G I A K L E E G D E L Q L A I P R E N

801 TGCACAAATA TCACTGGATG GAGATGTCAC ATTTTGTGTT GCAATGAAC TGCTGTGA  
ACGTGTTTAT AGTGACCTAC CTCTACAGTG TAAAAACCA CGTACTTTG ACACACT  
268 A Q I S L D G D V T F F G A L K L L O

# 0082TT "T4E43A60 Fig. 4A

1 GGTACGAGC TTCTAGAGG GACTGGAACC TAATTCTCT GAGGCTGAGG GAGGTGGAG GGTCTCAAGG CAACGCTGGC CCCACGACGG AGTGCCAGGA  
CCATGCTCCG AAGGATCTCC CTGACCTTGG ATTAAGAGGA CTCGACTCC CTCCACCTC CCAGAGTTCC GTTGGACCG GGTGCTGCC TCACGGTCTC

101 GCACTAACAG TACCTTAGC TTGCTTTTCT CTTCCCTCTT TTTATTTC AAGTTCCTTT TTATTCTCC TTGGTAACA ACCTTCTCC CTTCTGCACC  
CGTATTCTC ATGGGAATCG AACGAAGGA GGAGGGAGGA AAATAAAG TTAAGGAAA AATAAGAGG AACGATTGT TGAAGAAGG GAAGACGTGG

201 ACTGCCGTA CCCTTACCG CCCGGCCACC TCCTTGCTAC CCACCTCTG AACCCACAGC TGTGGCAGG GTCCCCAGCT CATGCCAGCC TCACTCTCTT  
TGACGGGCAT GGAATGGGC GGGCGGTGG AGGAACGATG GGTGAGAAC TTTGGTGTG ACACCGTCC CAGGGTGA M P A S S P F

301 TCTTGCTAGC CCCAAAGG CCTCCAGGA ACATGGGGG CCAGTACA GAGCGGCAC TCTAGTTG CCTGTGTTG AGTTGGGGG CAGCTCTGG  
AGACGATCG GGGTTTCCC GGAGTCCGT TGTACCCCC GTGTCAGTCT CTCGGCCGTG AGACTCAAC GGAGACCAAC TCAACCCCC GTCCAGACCC

8 L L A P K G P P G N M G G P V R E P A L S V A L W L S W G A A L G

401 GCGCGTGGCT TGTGCCATGG CTCTGCTGAC CCAACAAACA GAGTGCAGA GCCTCAGGAG AGAGTGAGC CGGCTGCAGG GGACAGGAG CCCCTCCCAG  
CCGGCACCGA ACACGGTACC GAGACGACTG GGTGTTTGT CTGACGCT CTGAGTCTCT TCTCCACTCG GCCGACGTCC CTTGTCTCC GGGAGGGTC

41 A V A C A M A L L T Q Q T E L Q S L R R E V S R L Q G T G G P S Q

501 AATGGGGAG GGTATCCCTG GCAGAGTCTC CCGAGACAGA GTTCCGATG CTGGAAGCC TGGGAGATG GGGAGAGATC CCGGAAAAGG AGACAGTGC  
TTACCCCTTC CCATAGGAC CGTCTCAGG GGCCTCGT CAAGGCTAG GACCTTCG ACCCTCTTAC CCCTCTTAG GGCCTTTTCC TCTGTCACG

74 N G E G Y P W Q S L P E Q S S D A L E A W E N G E R S R K R R A V L

601 TCACCCAAA ACAGAAGAAG CAGCACTCTG TCCTGCACT GGTCCCACT AACGCCACT CCAGGATGA CTCGATGTG ACAGAGTGA TGTGGCAACC  
AGTGGGTTT TGTCTTCTC GTCGTGAGC AGACGTGGA CCAAGGGTAA TTGGGTGA GGTCTCTACT GAGCTACAC TGTCTCCACT ACACGTTGG

108 T Q K Q K K Q H S V L H L V P I N A T S K D D S D V T E V M W Q P

701 AGCTCTTAG CGTGGGAG GCCTACAGC CCAAGGATAT GGTGTCCGA TCCAGGATG TGGAGTTTAT CTGCTGTATA GCCAGTCTCT GTTCAAGAC  
TCGAGAATCC GCACCTCTC CGGATGTCG GGTCTCTATA CCACAGGCTT AGTCTCTAG ACCTCAAATA GAGACATAT CGGTCCAGGA CAAAGTTCTG

141 A L R R G R G L Q A Q G Y G V R I Q D A G V Y L L Y S Q V L F Q D

801 GTGACTTTCA CCATGGGTCA GTGGGTGTCT CGAAGAGGCC AAGGAAGCA GGAGACTCTA TTCGGATGA TAAGAATAT GCCCTCCCAC CCGACCGGG  
CACTGAAGT GGTACCCAGT CCACCACAGA GCTCTCCGG TTCCTTCCGT CCTCTGAGT AAGCTACAT ATTCTTATA CGGGAGGTG GGCCTGGCC

174 V T F T M G Q V V S R E G Q G R Q E T L F R C I R S M P S H P D R A

901 CCTACACAG CTGCTATAGC GCAGGTGTCT TCATTTTACA CCAAGGGGAT ATTCTGAGTG TCATAATTCC CCGGGCAAG GCGAACTTA ACCTCTCTCC  
GGATGTTGTC GACGATATCG CGTCCACAGA AGTAAATGT GGTCCCTCTA TAAGACTCAC AGTATTAGG GGCCTGTCC CGCTTTGAAT TGGAGAGAGG

208 Y N S C Y S A G V F H L H Q G D I L S V I I P R A R A K L N L S P

1001 ACATGGAACC TTCCTGGGGT TTGTGAACCT GTGTTGTGTGTTTATATAAATGGGTTGGGCGCCGCGAGGGTGC AACCTTCTGG TCCACCCCAT GTATGACCTC TGTCGGTTCT  
TGTACCTTGG AAGGACCCCA AACACTTTGA CACTAACACA ATATTTTCA CCGAGGGTGC  
241 H G T F L G F V K L O  
1101 GCTGAGTATA TAAAGGAGAG GGAATGTGCA GGAACAGAGG CATCTTCCTG GGTITGGCTC CCGTTTCCCT ACTTTTCCCT TTTTATTCCC ACCCCCTAGA  
CGACTCATAT ATTTCTCTC CCTTACCGT CCTTGTCTCC GTAGAAGGAC CCAACCGAG GGCACAGGAG TGAAGAAGGA AAAGTAAGGG TGGGGGATCT  
1201 CTTTGATTT ACGGATATCT TGCTTCTGTT CCCCATGGAG CTCGAAATTC TTGGTGTGT GTAGATGAGG GCGGGGGGAC GGGCGCCAGG CATGTTCAG  
GAAACTAAAA TGCCTATAGA ACGAAGACAA GGGGTACCTC GAGGCTTAAG AACGCACACA CATCTACTCC CCGCCCCCTG CCGCGGTCC GTACAAGTC  
1301 ACCTGTGCGG GGCCCACTGG AAGCATCCAG AACAGCACCA CCATCTTA  
TGGACCAGCC CCGGGTGACC TTCGTAGGTC TTGTCGTGST GSTAGAAT

Fig. 4B



## FIGURE 5B

PRO	XXXXXXXXXXXX	(Length = 10 amino acids)
Comparison Protein	XXXXXXYYYYYYZZYZ	(Length = 15 amino acids)

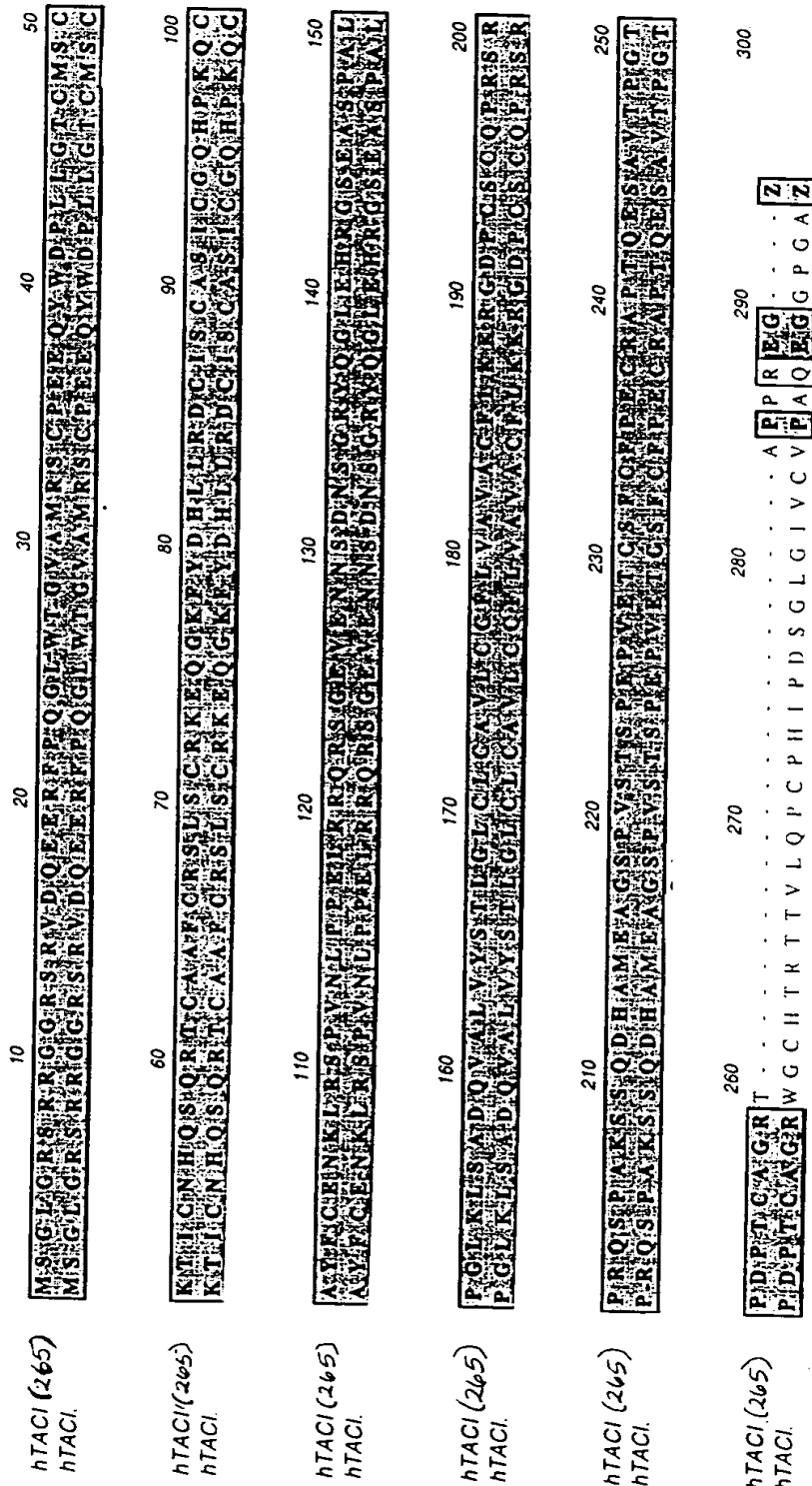
% amino acid sequence identity =

(the number of identically matching amino acid residues between the two polypeptide sequences as determined by ALIGN-2) divided by (the total number of amino acid residues of the PRO polypeptide) =

5 divided by 10 = 50%



Fig. 6



**SECRET**



Fig. 7

(A)

Flag-Light				Flag-April				Flag-Blys/TAIL-1
DcR3	Tac	BCMA	prK	DcR3	Tac	BCMA	prK	DcR3

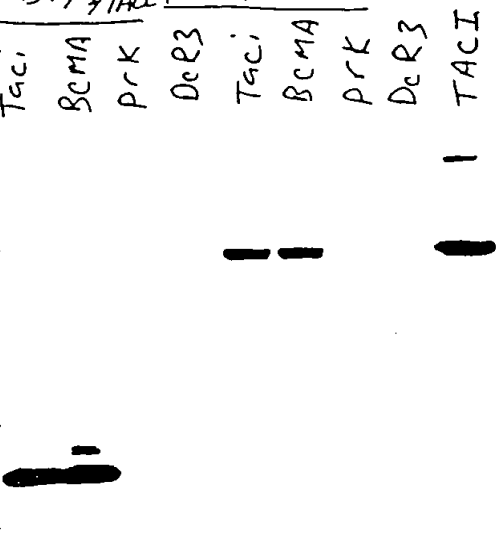
218 —  
108 —  
67 —  
44 —  
28 —  
19 —  
14 —



(B)

Flag-Blys/TAIL-1			Flag AP-April	Flag AP-Blys/TAIL-1	
Tac	BCMA	prK	DcR3	Tac	BCMA

218 —  
108 —  
67 —  
44 —  
28 —  
19 —  
14 —



Flag-AP-Blys/TAIL-1			prK
BCMA	prK	DcR3	Tac

5C 5D 6A 6B 6C 6D

218 —  
108 —  
67 —  
44 —  
28 —  
19 —  
14 —



Ip: with protein A  
WB with  $\alpha$  Flag HR

Fig. 8

(D)

Flag-Light c.				Flag-Apr.1				Flag-BLys/TAH-1				Flag Ap Apr.1				Flag AP BLys/TAH-1	
DeR3	Tac	BcMA	PrK	DeR3	Tac	BcMA	PrK	DeR3	Tac	BcMA	PrK	DeR3	Tac	BcMA	PrK	DeR3	Tac
1A	1B	1C	1D	2A	2B	2C	2D	3A	3B	3C	3D	4A	4B	4C	4D	5A	5B

218  
169  
67  
44  
28  
19  
14

—  
—  
—  
—  
—  
—  
—  
—

Flag AP BLys/TAH-1		PrK	
BcMA	PrK	DeR3	Tac
BcMA	PrK	BcMA	PrK
5C	5D	6A	6B

—  
—  
—  
—  
—  
—  
—  
—

Ip: with

$\alpha$  Flag

WB: with

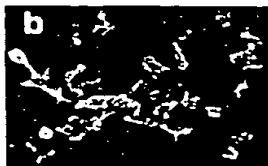
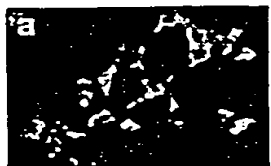
$\alpha$  Hu IgG. HRP

Fig. 8

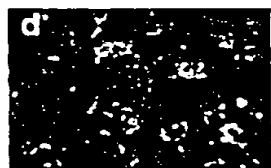


9A

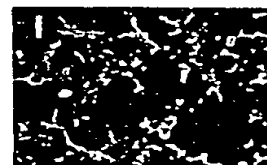
Blys/  
TALL-1



April



TNFa



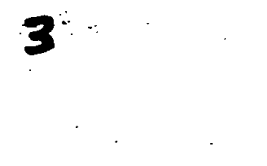
BCMA-hFC

TACI-hFC

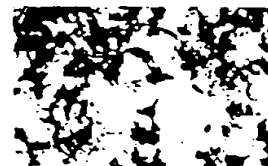
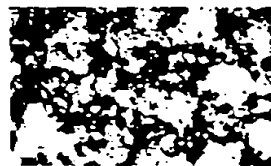
TNFR1-hFC

9B

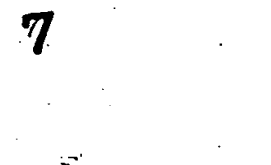
TACI



BCMA



Vector



AP-Blys/TALL-1

AP-April

AP-TNFα

Fig. 9

008211-14260  
IgM  $\mu$ g/ml

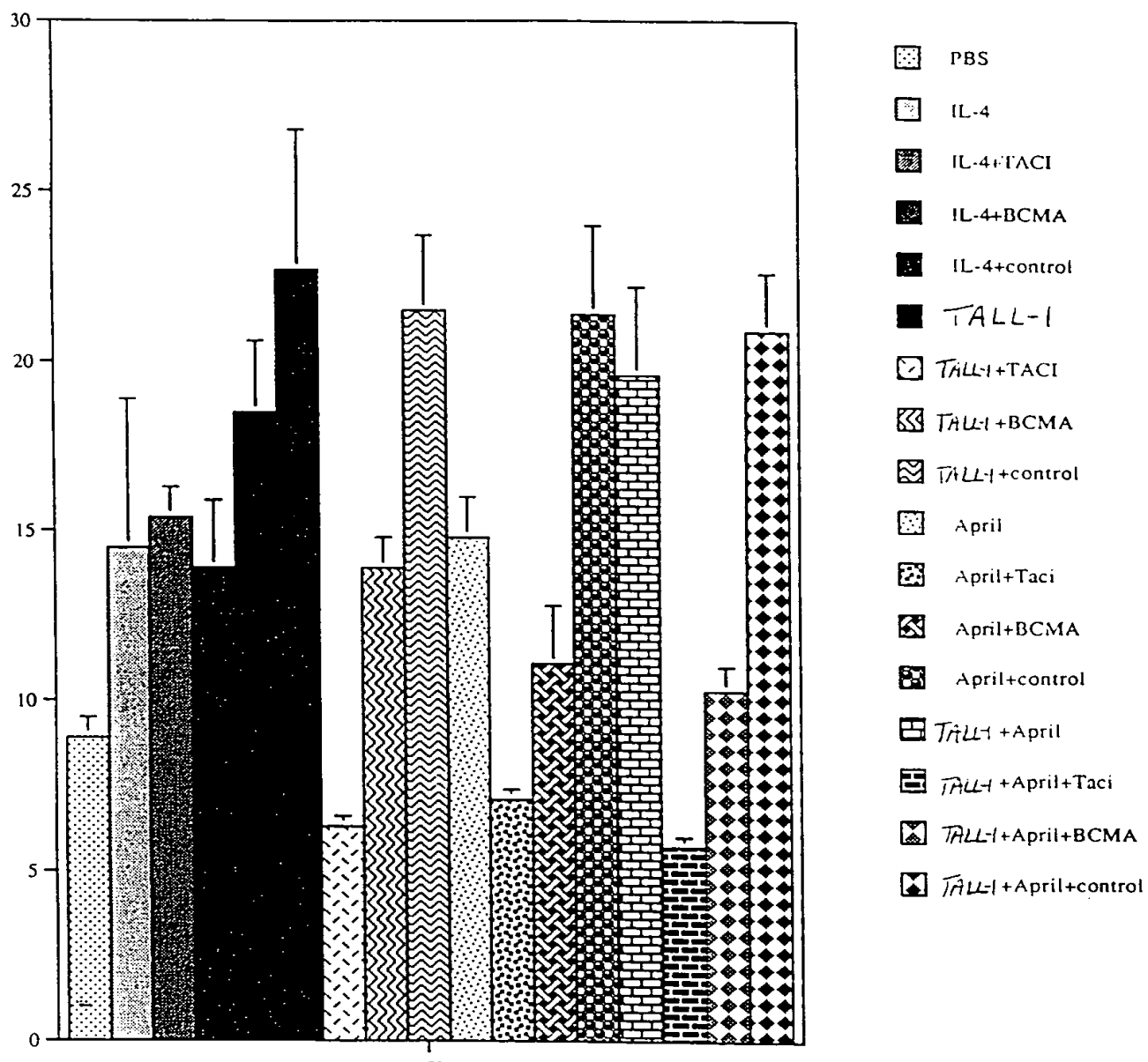


Fig. 10





Fig. 11C

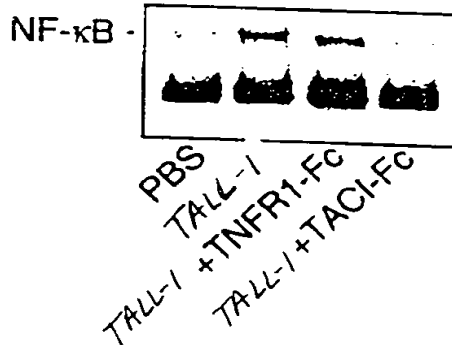
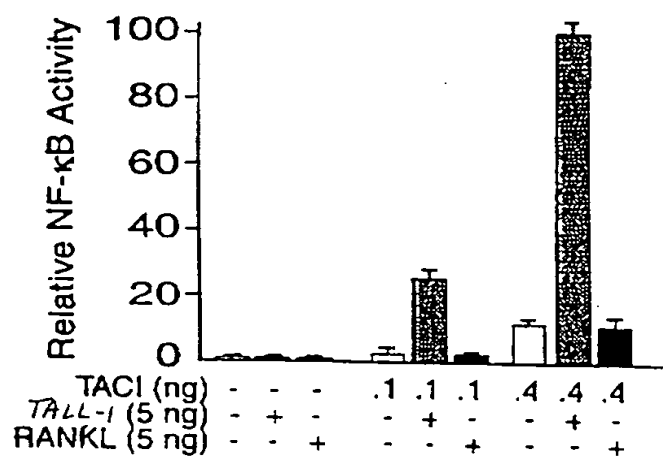


Fig. 11D

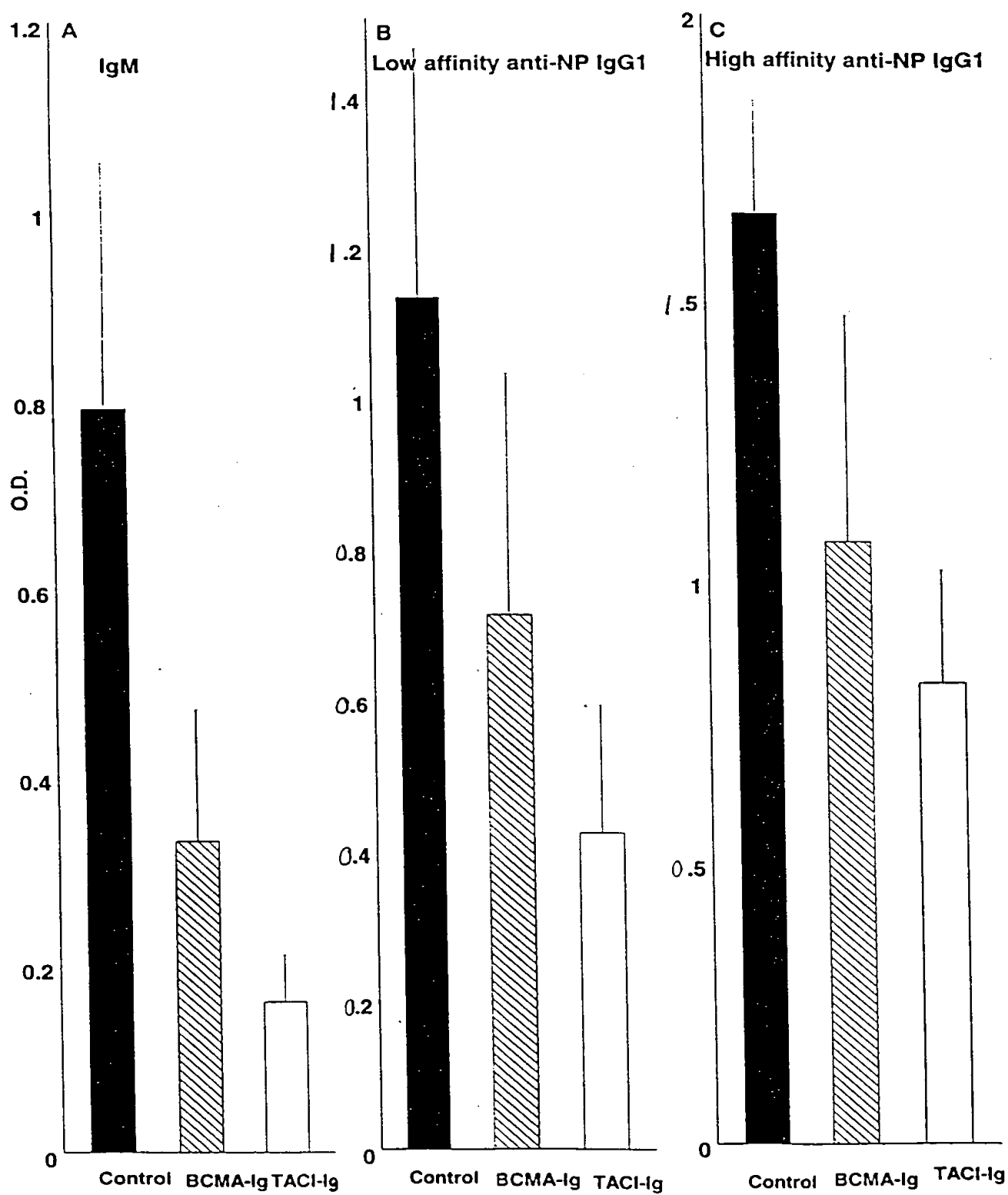


Fig. 12

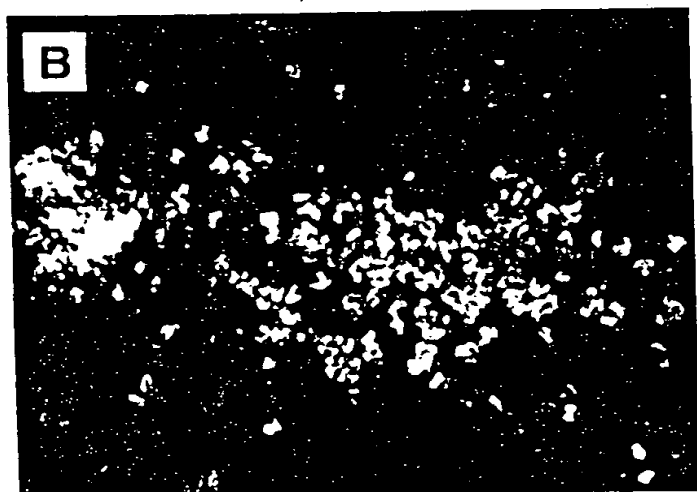
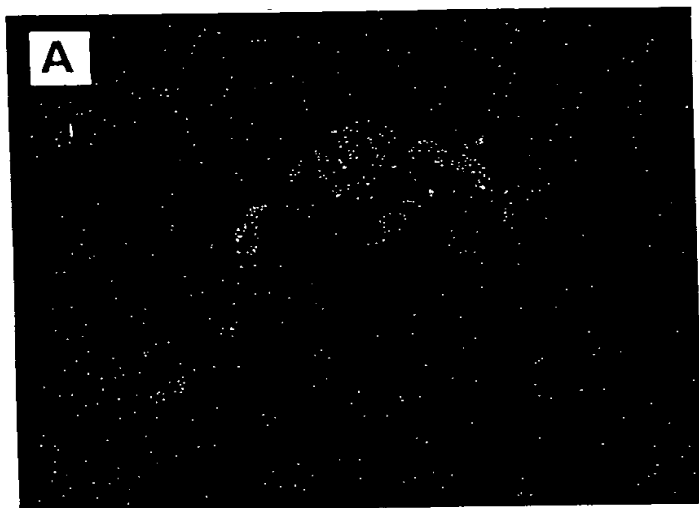


Fig. 13-1

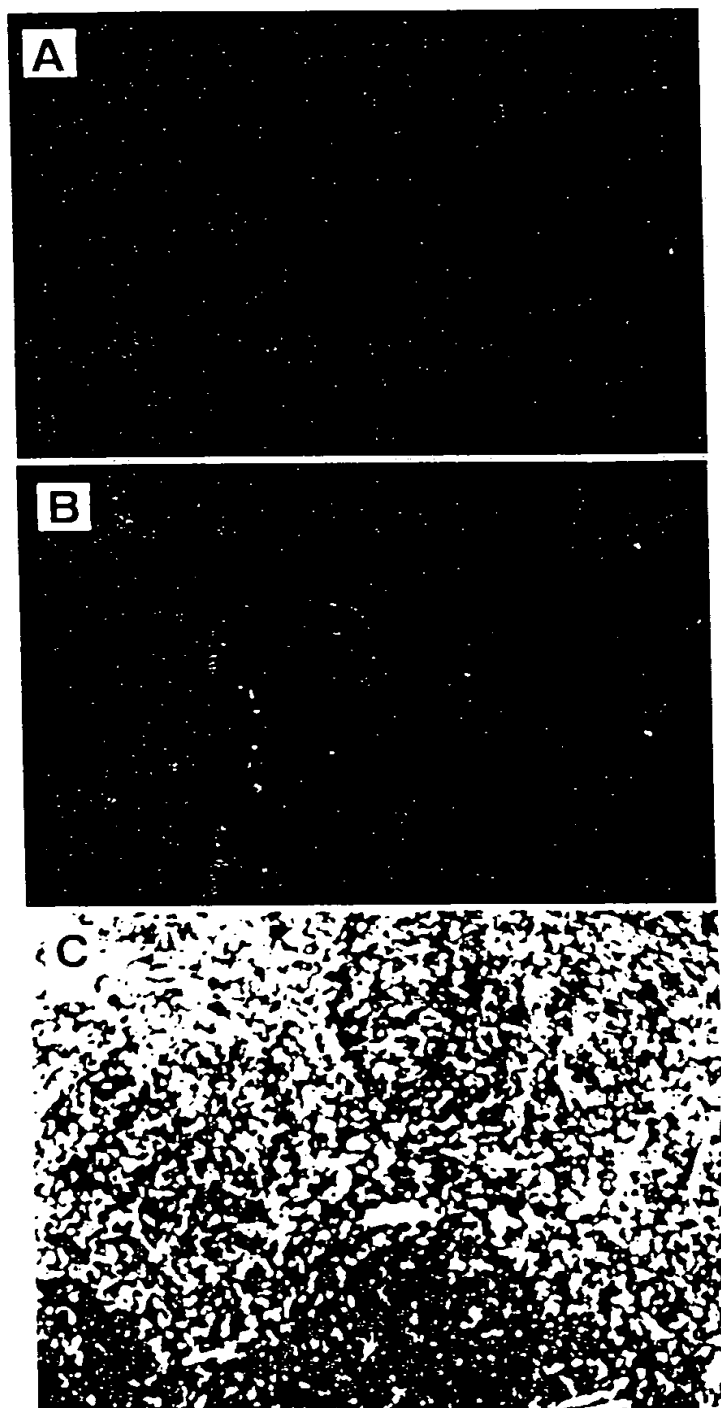


Fig. 13-2

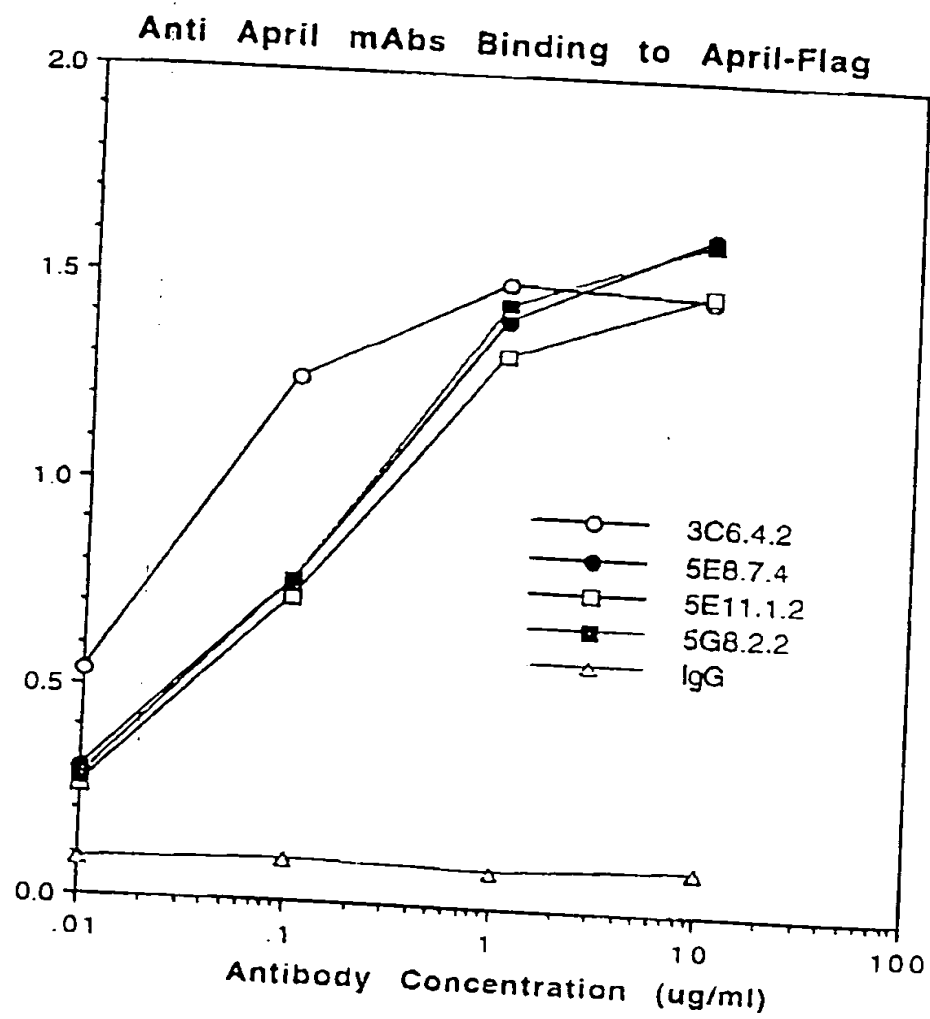


Fig. 14A

# Summary of antiApril mABs

mAb	Isotype	Epitope	Binding (ELISA)		Block April binding to	
			April	TALL	BCMA	TACI
3C6.4.2	IgG2a	C	++	-	+++	+
5E8.7.4	IgG2a	A	++	-	-	-
5E11.1.2	IgG1	C?	++	-	+	+
5G8.2.2	IgG2a	B	++	-	-	-

MAB 5E11.1.2 may bind to the similar epitope.

Fig. 14B

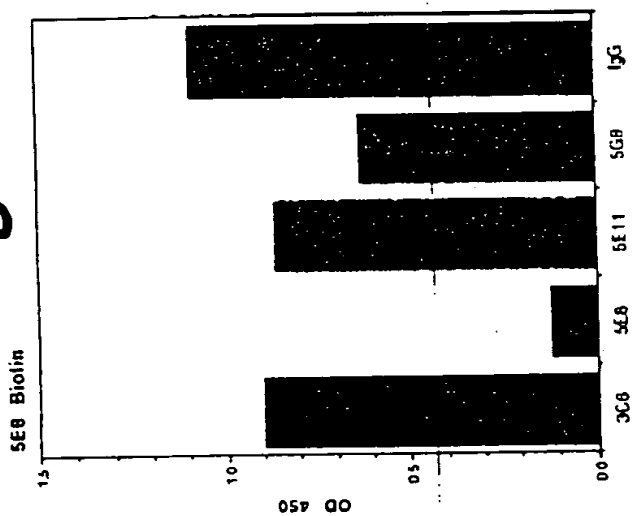
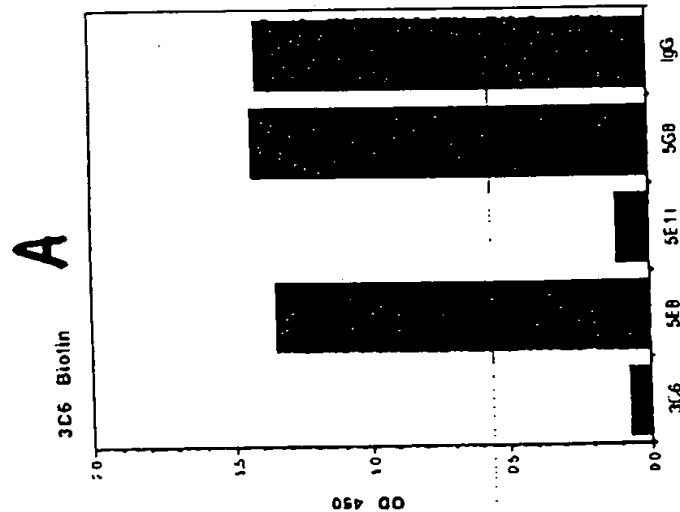
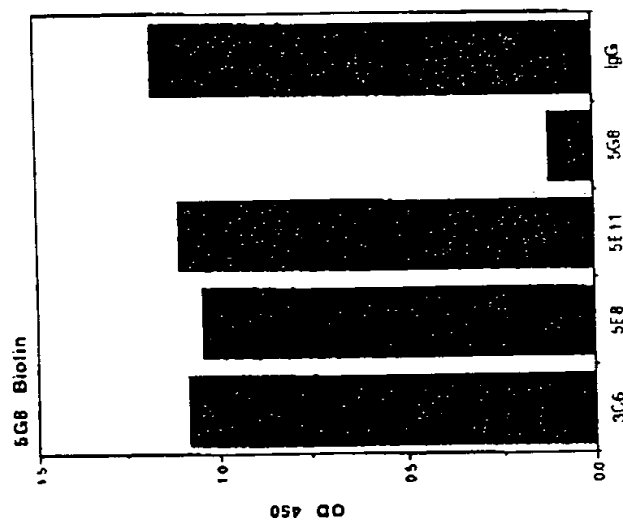
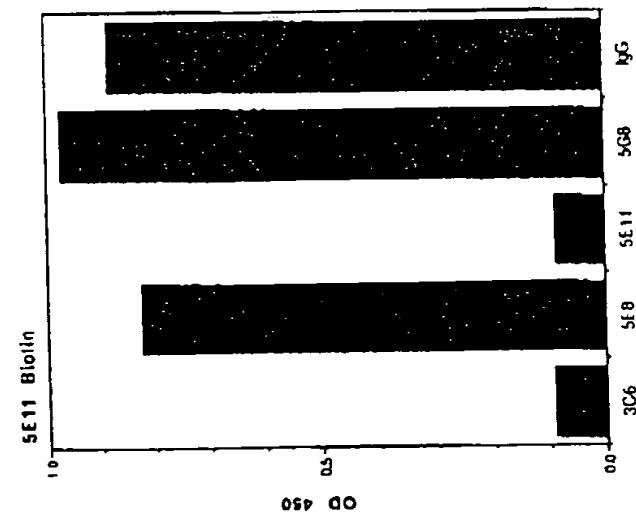


Fig. 15



A

U





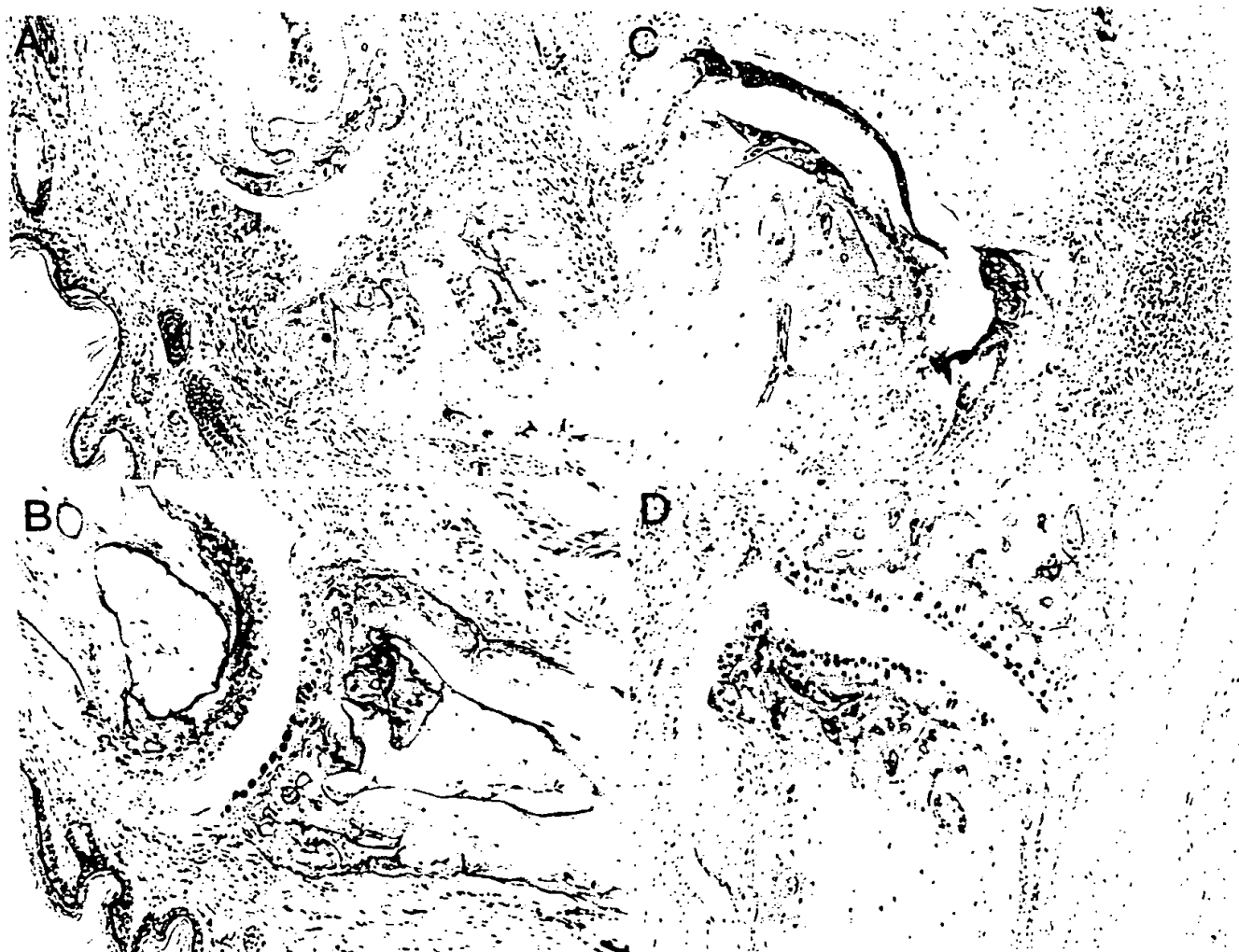


Fig. 17A-D

09724341.112800

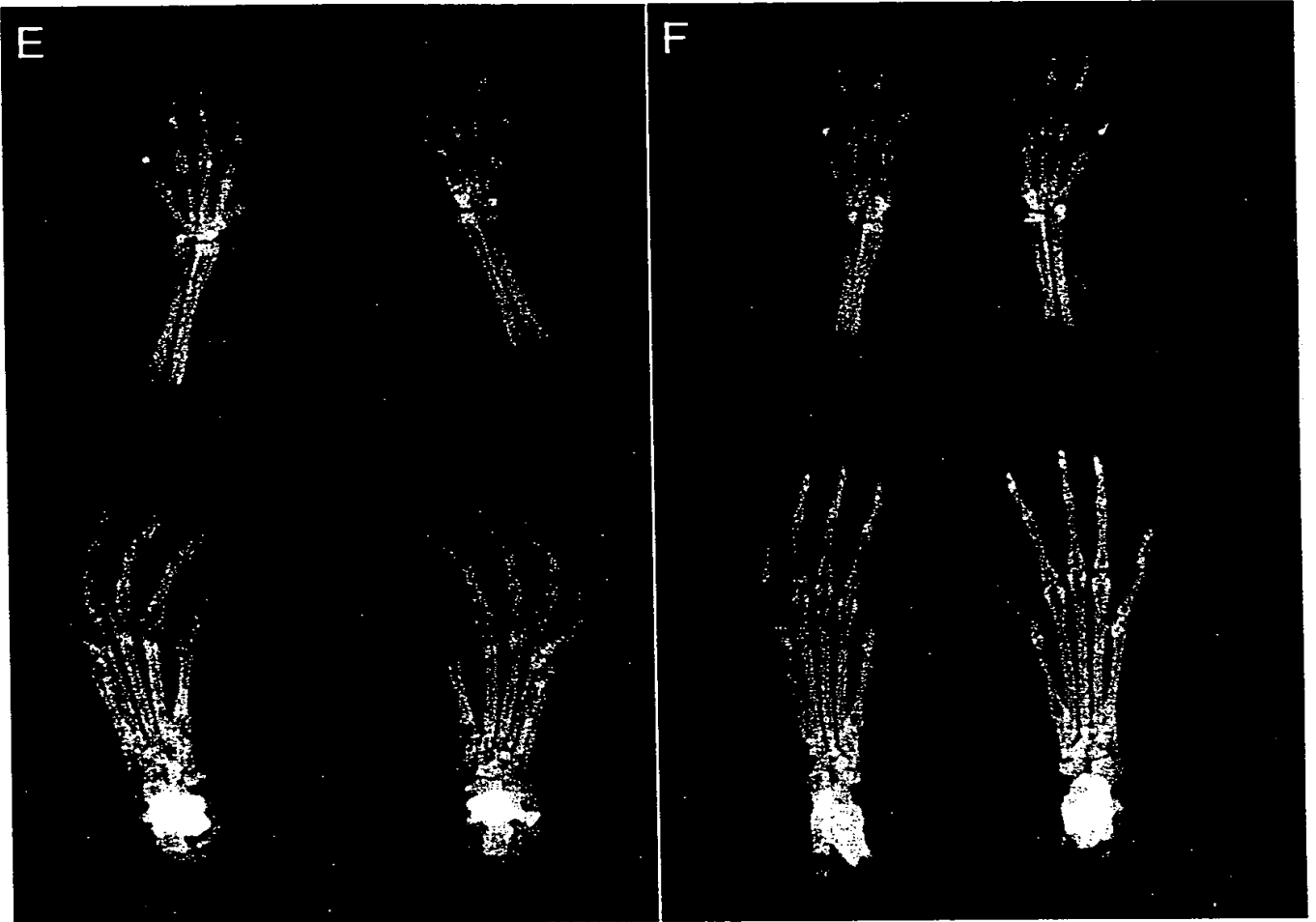


Fig. 17E-F

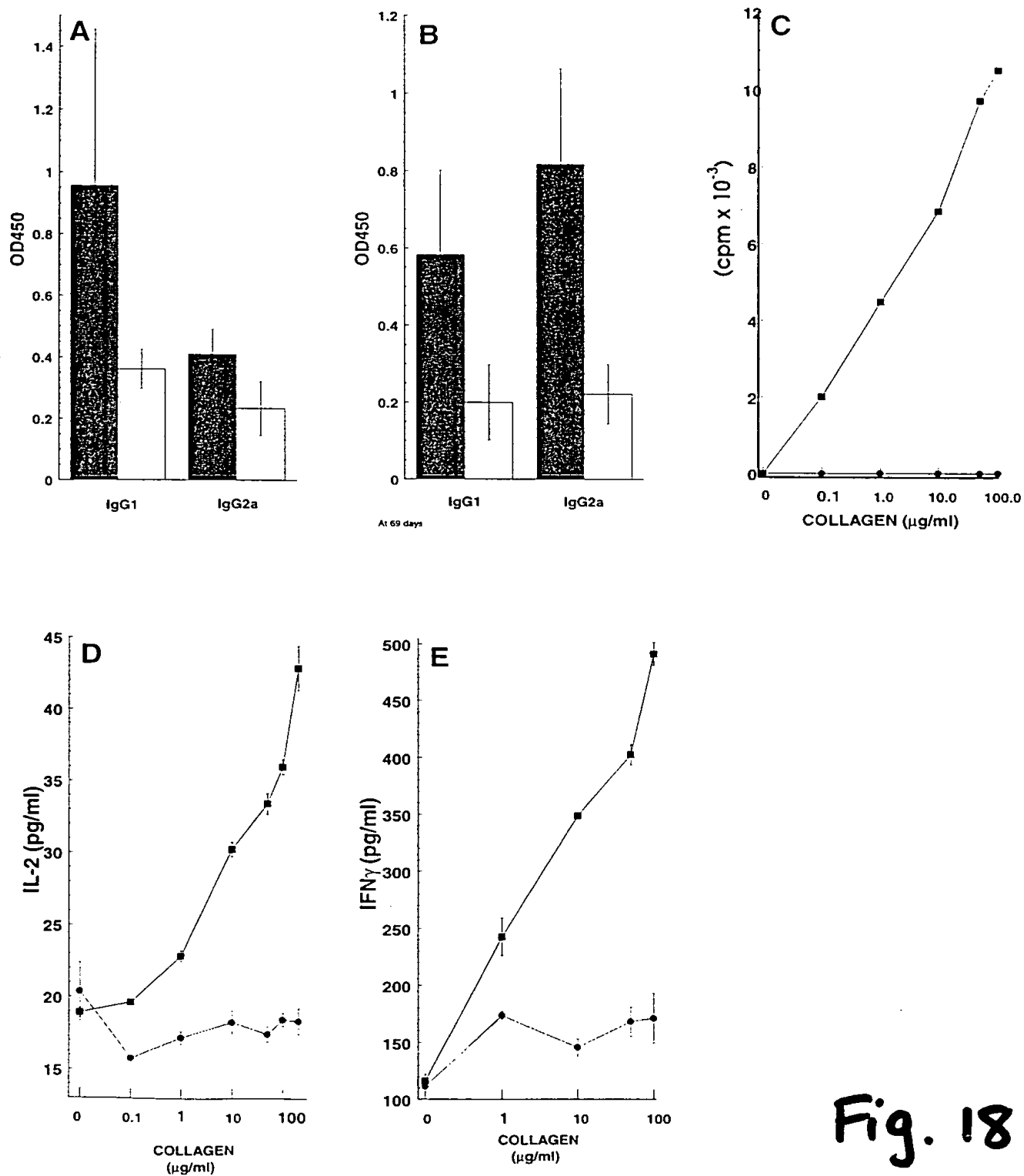


Fig. 18

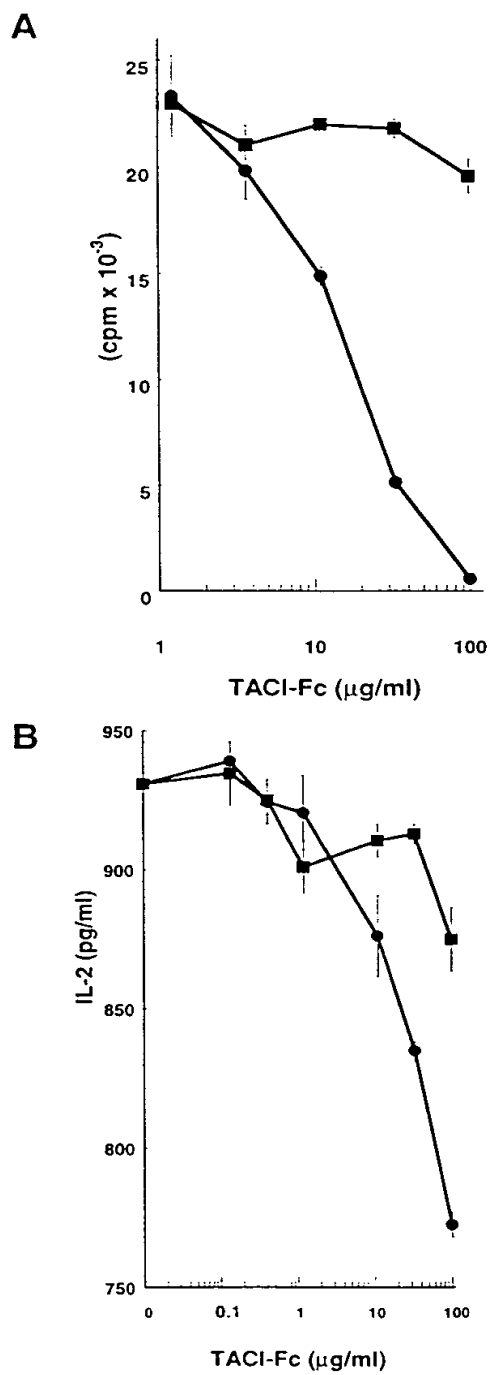


Fig. 19

TACI-Fc treatment of mice inhibits EAE in MBP-TCR transgenic mice

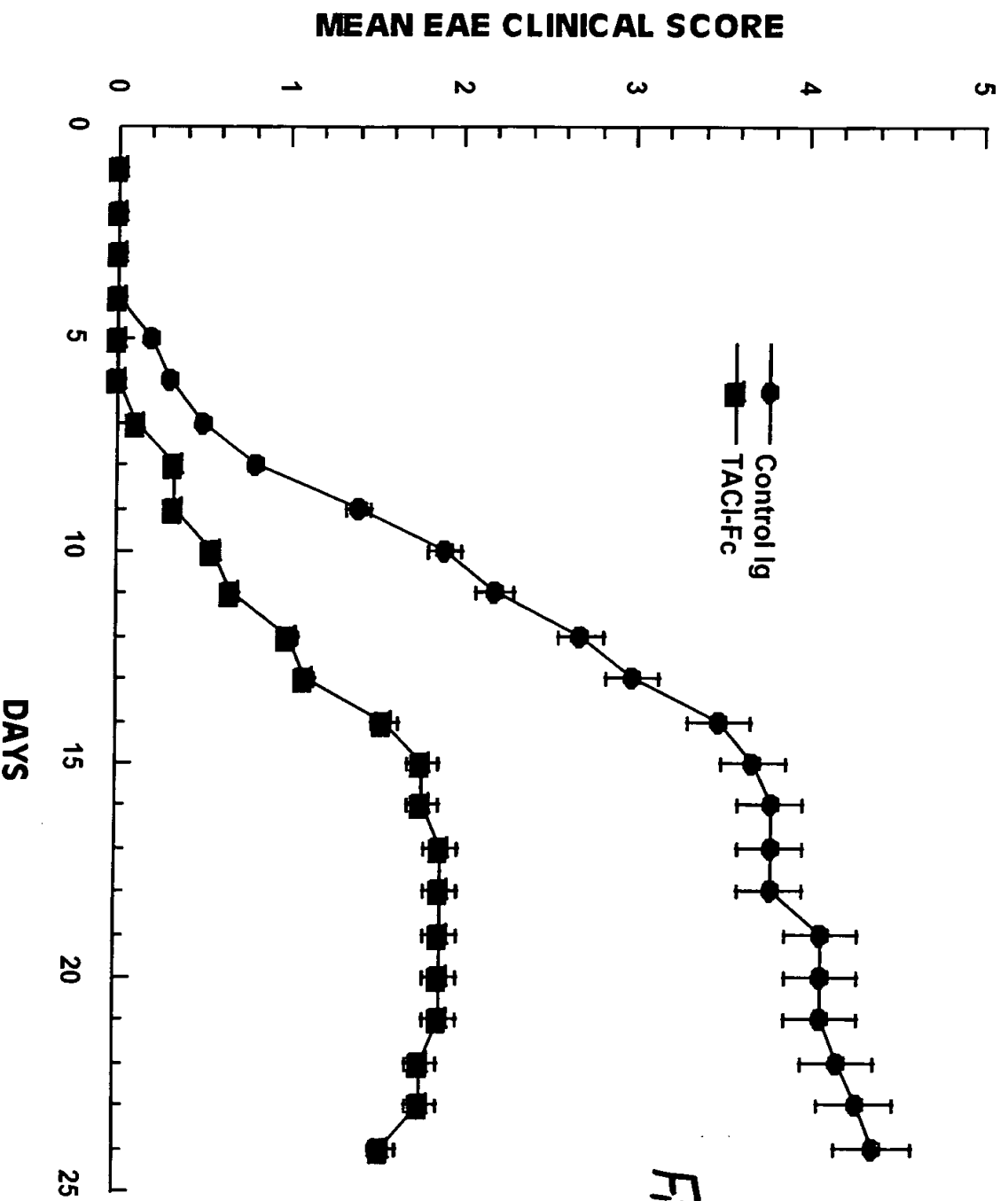


Fig. 20